

# TECHNICAL SHEET

Thoriated tungsten Electrodes (Orange)

**BEIDUO**® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000000

## Classification

WT40

AWS classification: /

Color sign: Orange

## Chemical Composition: %

Tungsten: Balance

Thorium Oxide: 3.8-4.2%

## Description and Applications

The Type WT 40 'orange' consists of 96% tungsten and 4% thorium. WT-40 is a non-standard electrode for DC welding applications and is not suitable for AC welding.

The thorium content causes (like all oxides) a reduction in the electron work function and thus a higher electron emission. With increasing thorium, ignition - durability - current capacity is improved. The main application is the direct current welding of high and stainless steels.

## Availability

Diameter: 1.0-12mm

Length: 50mm, 75mm, 150mm, 175mm and any length requested from customer.

---

### BEIDUO ALLOYS

#2999 Binhong West Road, Jinhua , Zhejiang, China

Tel: 86-579-83533866 Mob.:86-13806785765

Email: sales@jhbeiduo.com      www.beiduoalloys.com

Jan.10,2019